

Bridge Inspection									
Bridge File Number	01985 -1 Bridge				Form Type	PCS			
Year Built/Year Supstr	1988/1988				Lot No.	2			
Bridge or Town Name	CLARESHOLM				Inspector Name	Garry Roberts			
Located Over	TROUT CREEK, 2.12.25.5, WATERCRS-ST				Inspector Class	BR CLS A			
Located On	520:02 C1 21.340				Assistant Name				
Water Body Cl./Year					Assistant Class				
Navigabil. Cl./Year					Inspection Date	21-May-2010			
Legal Land Location	NW SEC 2 TWP 12 RGE 29 W4M				Data Entry By	Erin Roberts			
Longitude, Latitude	-113:51:59, 49:58:32				Data Entry Date	15-Jul-2010			
Road Authority	Alberta Transportation (AIT)				Reviewer Name	Tom Carey			
Contract Main. Area	CMA26				Review Date	02-Jun-2010			
Clear Roadway/Skew	8.8 /				Dept. Reviewer Name	Lorenz Bohnert			
AADT/Year	130 / 2009 (A)				Dept. Review Date	23-Jul-2010			
Road Classification	RLU-209G-90				Follow-Up By				
Detour Length (km)	35								
Allowable Load (t):	Single	CS1 28	Semi	CS2 49	Train	CS3 62	----> On Critical Spans ---->Critical Member		
Design Loading:	MS230						----> Primary Span		
Posting Information									
Required Load Posting (t)	Single		Semi		Truck Train				
Posted Loading (t)	Single		Semi		Truck Train				
Posted:	Lane	NB	At Junction (Y/N)	No	In Advance (Y/N)	No	At Bridge (Y/N)	No	
Posted:	Lane	SB	At Junction (Y/N)	No	In Advance (Y/N)	No	At Bridge (Y/N)	No	
Remarks	Not Required								
Hazard Marker At Bridge (Y/N)	Yes								
Remarks									
Other Sign Types	Creek ID								
Utilities (Located at)									
Utility Attachments									
Telephone	SOUTH SIDE				Gas	500 m WEST			
Power	1 WIRE 100 m TO NORTH				Municipal				
Others					Problem (Y/N)	No			
Remarks									
Approach Road									
			<b>Last</b>	<b>Now</b>	<b>Explanation of Condition</b>				
Horizontal Alignment			8	7	curve to east, hill and curve to west				
Vertical Alignment			7	6					
Roadway Width (m)	8.800				Gravel				
Approach Bump			5	5					
Guardrail (Y/N)	No				Missing 2 splice bolts at SE, 4 at SW and 8 at NW				
Guardrail			7	4					
Length (m)	13.700								
Current Standard (Y/N)	No								
Termination Type	TURNDOWN								
Drainage			8	7					
<b>Approach Road General Rating</b>			<b>7</b>	<b>6</b>					

Superstructure					
Bridge Component		Last	Now	Explanation of Condition	
(Primary Span : <b>SM, 3 Spans, Lengths(m): 11-11-11, A-Ident Number: )</b>					
<b>Special Features</b>					
Special Feature			X		
(Type : )					
Special Feature			X		
(Type : )					
Wearing Surface/Deck Top Detail Ratings					
	N (%)	1 (%)	2 (%)	3 (%)	
<b>Last</b>	0	0	0	0	
<b>Now</b>					
Wearing Surface		X	X		
(Material Type : )					
(Thickness(mm) : )					
Lateral Connection Problem (Y/N)					
Deck Top		7	6	some pitting from the gravel. Minor chips and spalls to girder tops	
Deck Rideability		8	7		
Deck Joints		7	7	Buffer angles	
Bump (Y/N)		No			
Deck Drainage		7	7		
Drains Clogged (Y/N)					
Curbs/Median		7	7	groove by grader along both sides	
(Curb Type : <b>Standard</b> )					
Scaling (Percent Area)		1			
Bridge Rail		8	8		
(Type : <b>FLEX BEAM</b> )					
Bridge Rail Posts		8	8		
(Type : <b>GALVANIZED POST STEEL; GALVANIZED POST STEEL</b> )					
Bridge Rail/Posts Coating		8	7		
(Type : )					
Sidewalk		X	X		
Girder Detail Ratings					
	N (count)	1 (count)	2 (count)	3 (count)	
<b>Last</b>	0	0	0	0	
<b>Now</b>	0	0	0	0	
Girders		7	7	SE GIRDER & MIDSPAN 1ST GIRDER FROM U/S HAVE long CRACK IN BOTTOM @ PIER hairline 300mm long	
Last Complete Inspection Date		21-May-2010			
Cracking (Y/N)		Yes		All of the lift or connector pockets are filled with tar	
Spalling (Percent Area)		0			
Lift or Connector Pocket Grouted (Y/N)		No			
(Number Of Girders : <b>24</b> )					
<b>Span Alignment Problems</b>					
Vertical (Y/N)		No			
Horizontal (Y/N)		No			
<b>Superstructure General Rating</b>		<b>7</b>	<b>7</b>		

Substructure						
Bridge Component		Last	Now	Explanation of Condition		
<b>Abutments</b>						
(Extended Backwall Piles (Y/N) : <b>N</b> )						
(Extended Backwall Piles Spacing(mm) : )						
(Total Number of Caps/Corbels : <b>1:1</b> )						
Bearing Seats/Caps/Corbels Detail Ratings						
	N (count)	1 (count)	2 (count)	3 (count)		
<b>Last</b>	0	0	0	0		
<b>Now</b>	0	0	0	0		
Bearing Seats/Caps/Corbels				8	8	
(Type : <b>CONCRETE</b> )						
(Depth(mm) : <b>500</b> )						
(Width(mm) : <b>500</b> )						
Backwalls/Breastwalls			X	N		
Greatest Height (m)		0.50				
Wingwalls			8	8		
(Total Number of Bearing Piles : <b>0:0</b> )				Buried		
Piles Detail Ratings						
	N (count)	1 (count)	2 (count)	3 (count)		
<b>Last</b>	0	0	0	0		
<b>Now</b>	1	0	0	0		
Piles				N	N	
Paint/Coating				7	6	
Abutment Stability				9	8	
Scour/Erosion				5	6	
Some minor erosion on the south slope, still lots of rip rap						
<b>Piers/Bents</b>						
(Type : <b>PIER-COLUMN</b> )						
(Total Number of Caps/Corbels : <b>1:1</b> )						
Bearing Seats/Caps/Corbels Detail Ratings						
	N (count)	1 (count)	2 (count)	3 (count)		
<b>Last</b>	0	0	0	0		
<b>Now</b>	0	0	0	0		
Bearing Seats/Caps/Corbels				8	8	
(Type : <b>CONCRETE</b> )						
(Depth(mm) : <b>600</b> )						
(Width(mm) : <b>500</b> )						
(Total Number of Bearing Piles : <b>6:6</b> )						
Piles Detail Ratings						
	N (count)	1 (count)	2 (count)	3 (count)		
<b>Last</b>	0	0	0	0		
<b>Now</b>	0	0	0	0		
Pier Shaft/Piles				8	8	
Greatest Height (m)		4.80				
Bracing/Struts/Sheathing				8	8	
Nose Plate				X	X	
Paint/Coating				4	4	
Paint peeling on the lower part of piles						
(Colour Description : )						
(Colour Code : )						

Substructure				
Bridge Component		Last	Now	Explanation of Condition
Pier Stability		9	8	
Scour		8	8	
Debris (Y/N)	Yes			Minor debris around u/s piles
<b>Substructure General Rating</b>		<b>8</b>	<b>8</b>	
Structure Usage				
		Last	Now	Explanation of Condition
<b>Channel</b>				
(U/S Direction : <b>W</b> )				stream hits east abut. during high water
(D/S Direction : <b>E</b> )				
Alignment		7	6	
Bank Stability		8	7	
HWM (m below Top of Curb)				HWM not visible Minor drift at piers
Drift (Y/N)	Yes			
Slope Protection (Type : )		8	6	
Guidebank/Spurs		X	X	
Adequacy of Opening		9	7	
(Fish Compensation Measure 1 : <b>NONE</b> )				
(Fish Compensation Measure 2 : <b>NONE</b> )				
<b>Channel General Rating</b>		<b>7</b>	<b>6</b>	

Maintenance Recommendations							
Inspector Recommendations	Year	Inspector Comments	Department Comments	Target Year	Est. Cost	Cat #	
REPAIR/REPLACE BRIDGE RAIL							
SEAL CURBS							
PATCH DECK							
OVERLAY DECK							
STRAIGHTEN/REPLACE MEMBERS							
WASHING							
SHOTCRETE REPAIRS							
CORE TIMBER CAPS/CORBELS							
REPAIR/REPLACE TIMBER CAPS							
REPAIR ABUTMENT SCOUR/EROSION							
PLACE ADDITIONAL RIP RAP							
REMOVE DRIFT ACCUMULATION							
INSTALL STRUTS							
OTHER ACTION	2010	Remove tar from the lift hook and connector pockets and fill with grout 0.3m3					
OTHER ACTION							
OTHER ACTION							
OTHER ACTION							
<b>Structural Condition Rating (Last/Now) (%)</b>	<b>83.3/83.3</b>	<b>Sufficiency Rating (Last/Now) (%)</b>	<b>78.3/77.0</b>	Est. Repl. Yr	2053	Maint. Req. (Y/N)	Yes
Special Comments for Next Inspection			Department Comments				
Maintenance Reviewed By			Date			Estimated Total	0
Proposed Long-Term Strategy							
On 3-Year Program (Y/N)							
Proposed Action							
Previous Inspector's Name	Tim Davies		Previous Assistant's Name				
Next Inspection Date	21-Aug-2013		Previous Inspection Date	15-Jan-2007			
Inspection Cycle (Default) (months)	39						
Comment							